Army Installation Design Standar

Information for Real Property – Master Planning Workshop

29 October 2003

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Purpose is to Discuss

- **Status of *Army Installation Design Standards* to the Real Property - Master Planning Workshop**
- **Highlight key elements**
- **Implementation of the Design Standards using the Installation Design Guides**
- **Army Facilities Standardization Committee**
- **Army IDS Way Ahead**

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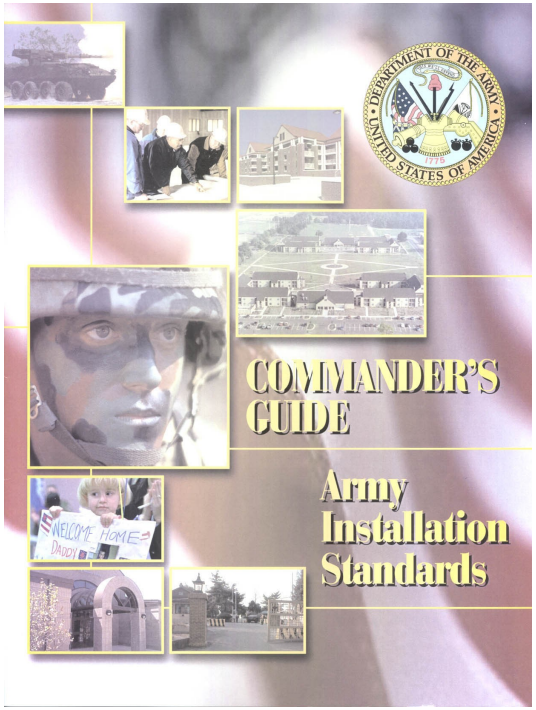
Army Installation Design Standards (IDS are The Army Standards



The Standards Provide

- ✓ **Standardization across all of our posts and garrisons.**
- ✓ **Sense of community, order, tradition, and pride.**
- ✓ **Guidance on cost-effective resource investment.**
- ✓ **Sustainability, reliability, and efficiency.**

Commanders Guide: Army Installation Standards

Available on

Army Installation Design Standar

Features of the Standards

- **Entirely Web enabled**
- **Hyperlinked to specific standards ~ a virtual library of all applicable design standards in a single source**
- **User friendly**
- **Easily updated ~ changes transmitted via electronic newsletter**

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Source of Standards

Best architectural, engineering, and interior design principles and reviewed by technical professionals.

- ✓ **Air Force (interior design, exterior colors, air fields)**
- ✓ **DoD (Official Mail Manual)**
- ✓ **National Park Service (signage, landscaping)**
- ✓ **Tri-Service Criteria (fire protection)**
- ✓ **City of Chicago (bike paths)**
- ✓ **Fed Highway Administration (pavement marking)**
- ✓ **Fed Accessibility BD (accessibility standards)**

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Selection of the Best Standard in each Class Produced –

- **The complete Army standards for site planning, buildings, vehicular and pedestrian circulation, landscaping, site elements (i.e., signs, utilities), force protection, and Sustainable Design.**
- **Framework for the *Installation Design Guide* (IDG) process**
- **An unparalleled effort in DoD**

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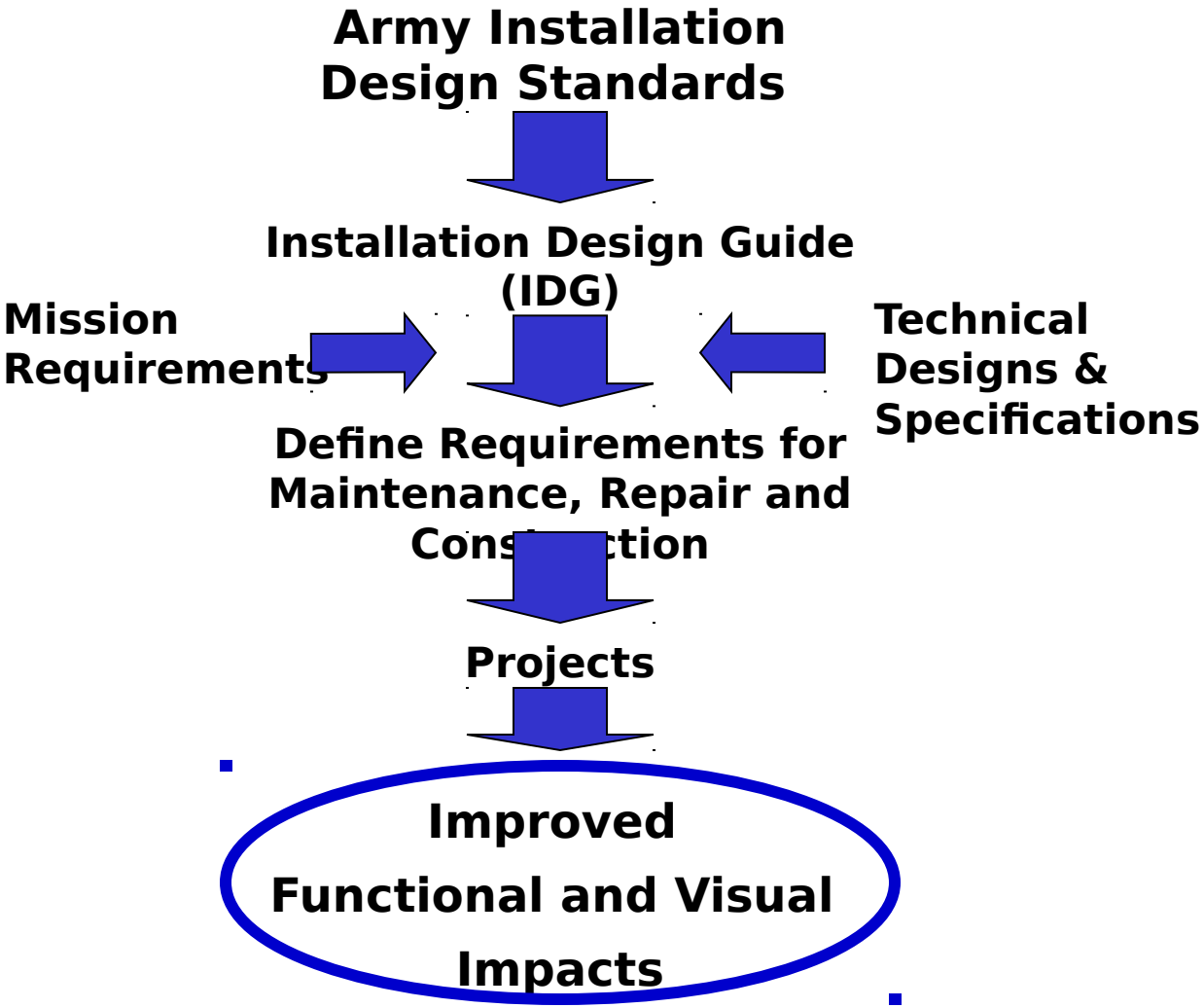
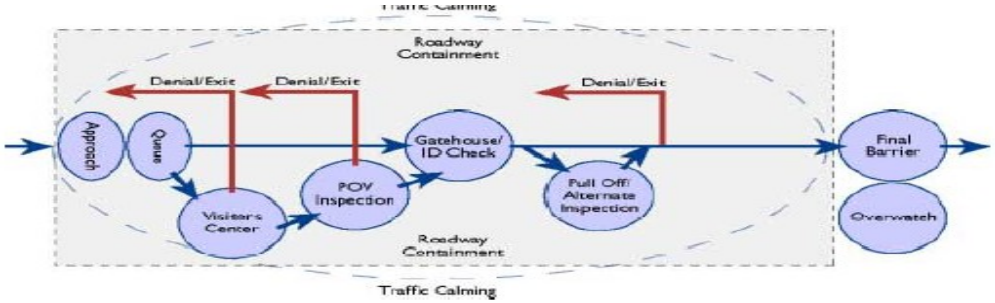
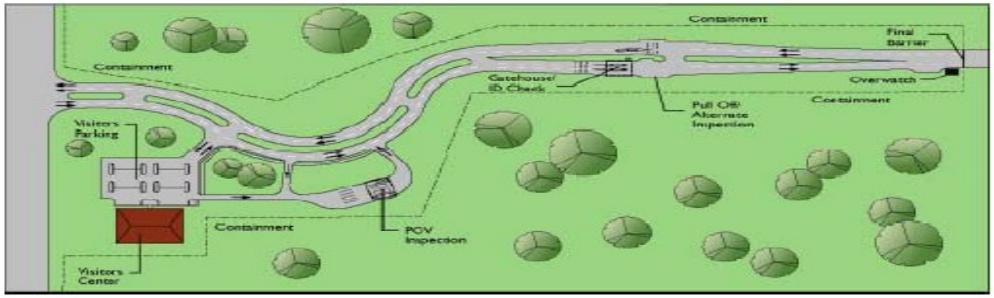

Army Installation Design Standards
Installation Design Guide (IDG)
Mission Requirements
Technical Designs & Specifications
Define Requirements for Maintenance, Repair and Cons ction
Projects
Improved Functional and Visual Impacts

Example of Key elements and installation criteria

Planning for Access Control Points





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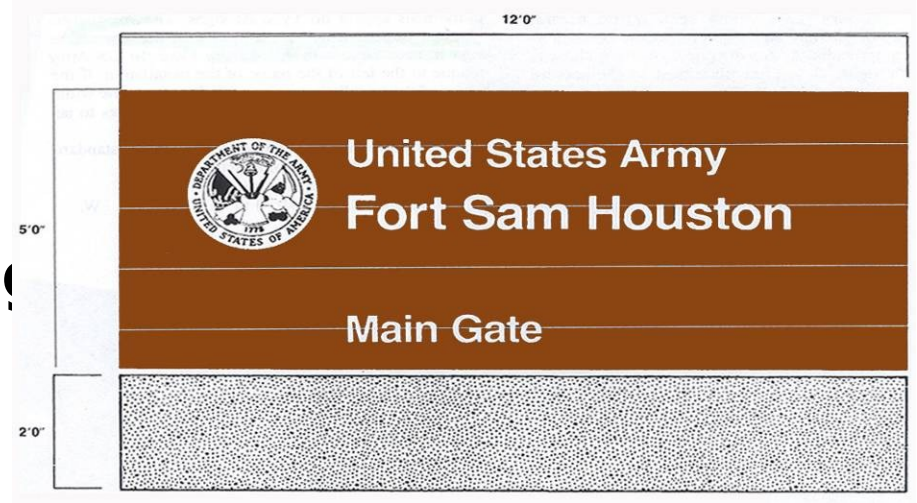
Installation Entrances Si



- **Every installation entrance shall have an installation identification sign displaying only the US Army plaque, with the words "United States Army, Fort (Name of Fort), and gate name.**

- **Senior Mission Commander logo, unit crest, and other installation identification signs, monuments or displays shall be located inside the installation beyond the cleared area of the Access Control Point of entry.**

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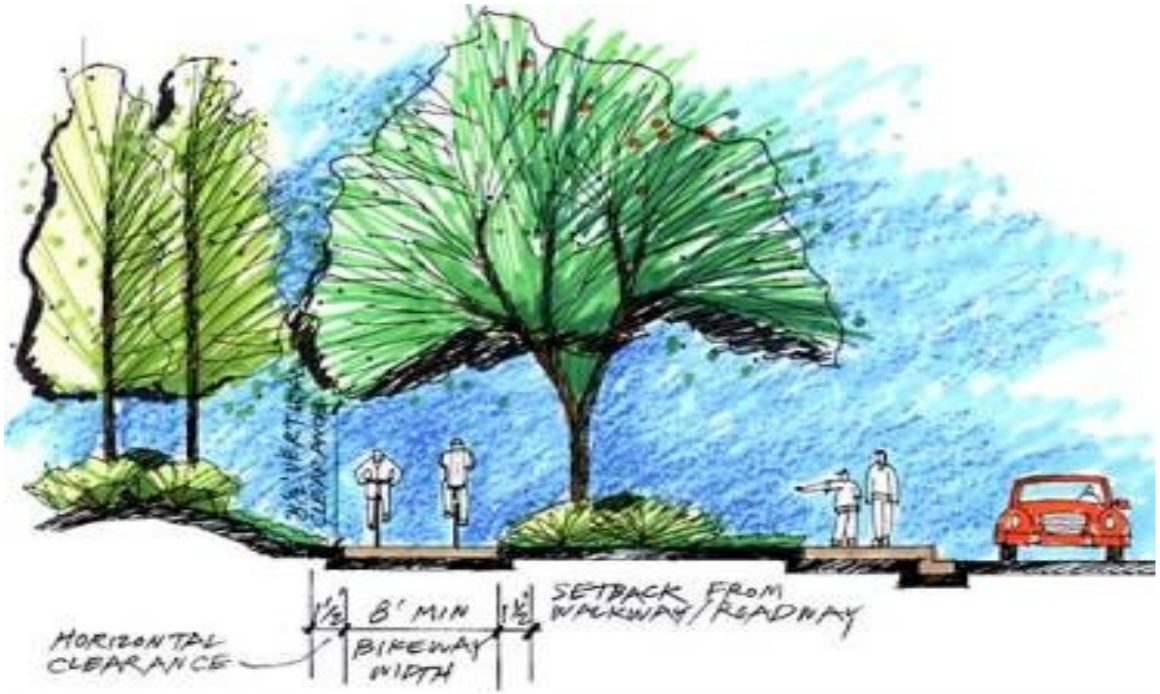
Standards for Curbs, Gutters and Sidewalks



- **Provide curbs, gutters, and sidewalks in all cantonment areas and residential areas with densities greater than two housing units per acre.**

- **Provide bikeways and furnishings (signage, benches, waste receptacles, tables, drinking fountains) along paths.**

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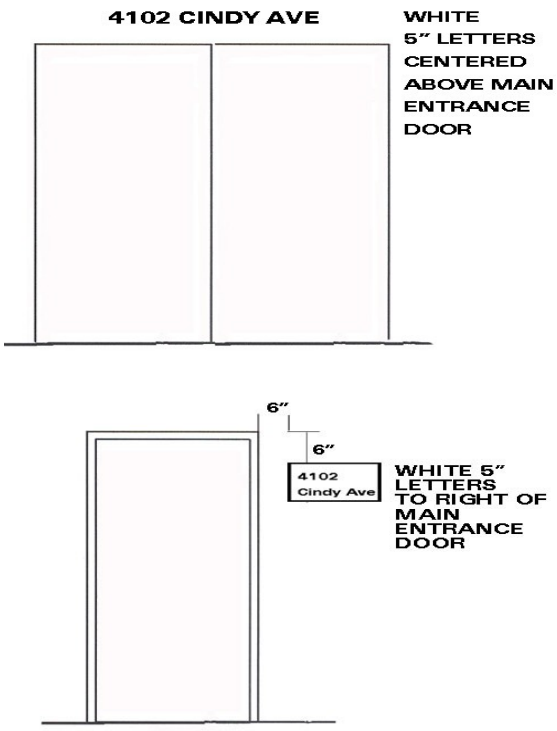
Building Identification


4102 CINDY AVE
WHITE 5" LETTERS CENTERED ABOVE MAIN ENTRANCE DOOR
6"
6"
4102 Cindy Ave
WHITE 5" LETTERS TO RIGHT OF MAIN ENTRANCE DOOR

- **Street Addresses are mandatory.**
- **DoD Official Mail Manual 4525.8-M**
- **Only geographically locatable civilian-style street address, such as 4102 Cindy Avenue, shall be used.**

Use Street Addresses On All Building Identification Signs

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Street Address Standard

- **ACSIM developed and issued the IDS. Their implementation -- process, resource, schedule, specific instructions at the installation level etc -- is an IMA action.**
- **Requires complete and full coordination of installation's first responders, public affairs, servicing post office, DOIM, DPCA, etc.**
- **Ensure that no change happens as a surprise that endangers or confuses the installation's residents.**

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Street Address Standard

- **IFS has necessary fields in its file structure to accommodate both street addresses and facility numbers without reprogramming of database**
- **Crosswalk "old" facility numbers and "new" street addresses as part of the coordination-implementation-execution plan**
- **Installation garrison commander, DPW, etc. must be aware of requirements -- as well as other requirements in the IDS – to address a transition to the those standards**
- **Only defer actions until transition plans are developed**

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Completed Actions

- ***Army Installation Design Standards*** **approved by Vice Chief of Staff Army to proceed with fielding and implementation on 22 April 03 and placed on the ACSIM web home page**
  http://www.hqda.army.mil/acsimweb/homepage.shtml

- **Presentations to Conferences for Architects, Master Planners, Public Works Regions, and Garrisons**

- **16 July 03 Award GSA 3 year ManTech contract for support**

- **Guidance and direction by the ACSIM and Dir, IMA**

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Current ManTech Tasks & Timeline

- **Continue edit, update standards, now - July FY06**
- **Develop IDS Electronic Newsletter 30 Nov 03**
- **Develop CD Self-Paced Training 29 Apr 04**
- **Develop IDS Training Video 31 May 04**
- **Develop IDS Brief Packets 1 Dec 03 – 30 Jun 04**
- **Develop IDS Workshop Course 1 Sep 04**

Army Installation Design Standar

Changes to *Army Installation Design Standards* *Since 22 April 2003*

- **Changed Garrison Commander Responsibilities**
- **Added Senior Mission Commander Responsibilities**
- **Established The Installation Planning Board chaired by the Senior Mission Commander, for: Strategic Planning, Real Property Planning, Range Planning, and Communications Planning**

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Changes to *Army Installation Design Standards* *Since 22 April 2003*

- **Changed Army Barracks Standards**
  - **Establishes the two-bedroom/one bath module**
  - **Requires installation of a stove or cook top**
  - **Requires laundries in the barracks**
  - **Eliminates the separate solider community building**
- **Added Sale and Outlease of Army Assets**
- **Every installation entrance sign displaying only Army plaque**
- **Deleted Building Numbers**

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Working Revisions to IDS

- **Reformat to emphasize Army Standards**
- **Move how to prepare IDG to back of document**
- **Develop process to process waivers in a timely manner**

IDS Electronic Newsletter

- **First edition out 31 October**
- **IDS Working Group (IMA Region POCs) function as contributing editors**
- **Purpose of the electronic newsletter**
  - **Present current command direction and implementation strategy from the Army's leadership**
  - **Provide the updated standards for use by Army installation managers**
  - **Provide current guidance and direction in the development of Installation Design Guides**
  - **Present information and items of current interest (calendar events, etc)**

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Army Installation Design Standards Working Group

- **HQDA**
  - **Larry Black, ACSIM Program Manager 703 604-2469 DSN 664-2469**
  - **Dale Means, HQ IMA Action Officer 703 602-3390**
  - **John Peasley, HQ IMA Master Planner 703 602-4488**
  - **Gary Burns, ManTech 703 814-8372**

- **IMA Regions**
  - **Jean Hecimovich, NERO 757 788-3987 DSN 680-**
  - **Brick Wells, SERO 404 464-0714 DSN 367**
  - **Wayne Hamaguchi, PARO 808 438-7620**
  - **Martin Schroeder, NWRO 309 782-8293 DSN 793-**
  - **Dale Pedersen, SWRO 210 221-9453 DSN 471-**
  - **Norman Waters, EURO 06221-579109 DSN 370-8109**
  - **COL Dubose, KORO DSN 315-738-3084**

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Developing POM FY06 to FY11 and Beyond

- **IMA developing cost to implement IDS at each installation**

- **Cost will be used to establish “Year of Emphasis” for Army Wide Focus on selected IDS standards implementation**

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Each Installation Design Guide will follow the IDS Army Standards and format by end of FY05

Status

- **Prepared Army wide IDG Statement of Work, ready to fund for GSA Contract**

- **IDG Analysis Study Report – 30 September 03**

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Implementation Strategy

- **Apply standards to new work immediately**
- **Identify installation costs to meet the standards**
- **Establish implementation timeline and priorities**
- **Senior Army Leadership approve timeline & priorities.**

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Army Facilities Standardization Committee

MG Lust, ACSIM

MG Aadland, Director IMA

MG Johnson, CoE Military Programs

Approved a new Army Standardization Process

29 September 2003

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Precise Terms – Each with Unique Meaning

Army Standards

-- Criteria or performance based , usually narrative

-- Degree of detail depends on type facility

-- Currently no formal process for development / approval

-- Compiled in the Army Installation Design Standards (web based)

-- Army Standards are mandatory, waivers must come to HQDA

Standard Designs

-- Product of the current “standardization process”

-- Definitive designs for a specific type facility

-- Developed by Design Team of ACSIM & Proponent Reps, and USACE Center of Standardization for that type facility

-- Includes Functional Features, Space Requirements, Mandatory & Optional Elements, Proponent Design Considerations, Installation Influences

-- Starting point for USACE Districts and Installation Planners

Army Installation Design Standar

Precise Terms (continued)

Army Installation Design Standards (IDS)
-- Compilation of all "Army Standards" for facilities and technologies (still "in progress")
-- Maintained by ACSIM on the ACSIM web site
-- Implemented by IMA and USACE

Installation Design Guides (IDG)
-- Installation level document that specifies planning and facility requirements for a particular installation. -- Maintained by the installation, approved by IMA

Design Criteria (TI 800-01)
-- Technical criteria and specific facility design guidance -- Maintained by the USACE

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Transforming the process

- ✓ **Energize/modify the formal structure and process – ensure standards follow procedure for development / approval.**
- ✓ **The Army Facilities Standardization Committee, meets on a regular, scheduled basis, reviews and approves Army Standards.**
- ✓ **Empower key agencies (e.g., IMA, COS) to ensure standards are followed.**
- ✓ **Use IDS as the compilation of all "Army Standards" for facilities and technologies.**

✓ **Establish formal process for technology infusion.**

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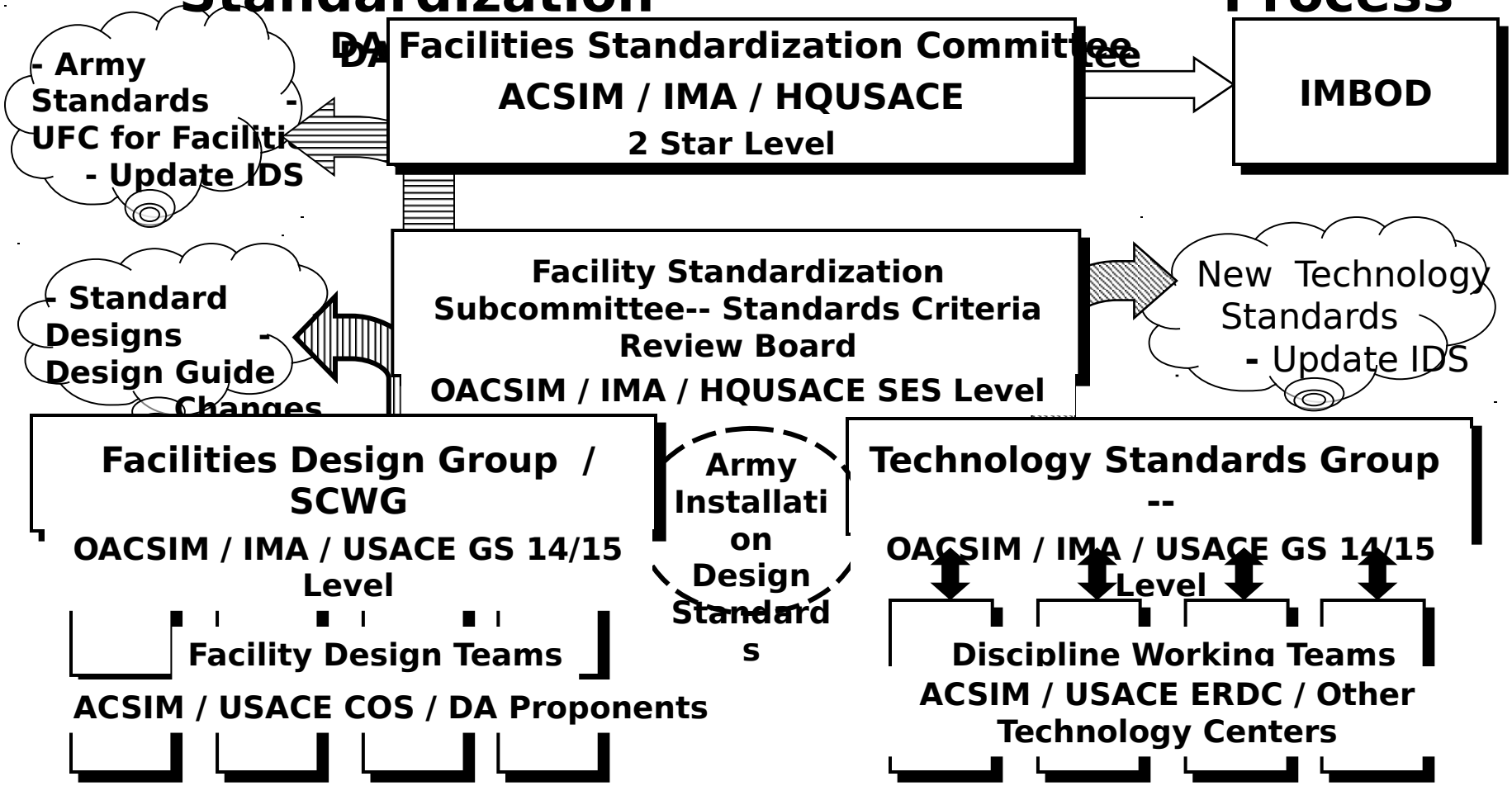
Approved Facilities & Technology Standardization Process


- Army Standards -
UFC for Faciliti
- Update IDS
DA Facilities Standardization Committee
ACSIM / IMA / HQUSACE
2 Star Level
IMBOD
- Standard Designs -
Design Guide Changes
Facility Standardization Subcommittee-- Standards Criteria Review Board
OACSIM / IMA / HQUSACE SES Level
New Technology Standards
- Update IDS
Facilities Design Group / SCWG
OACSIM / IMA / USACE GS 14/15 Level
Facility Design Teams
ACSIM / USACE COS / DA Proponents
Army Installation Design Standards
Technology Standards Group --
OACSIM / IMA / USACE GS 14/15 Level
Discipline Working Teams
ACSIM / USACE ERDC / Other Technology Centers

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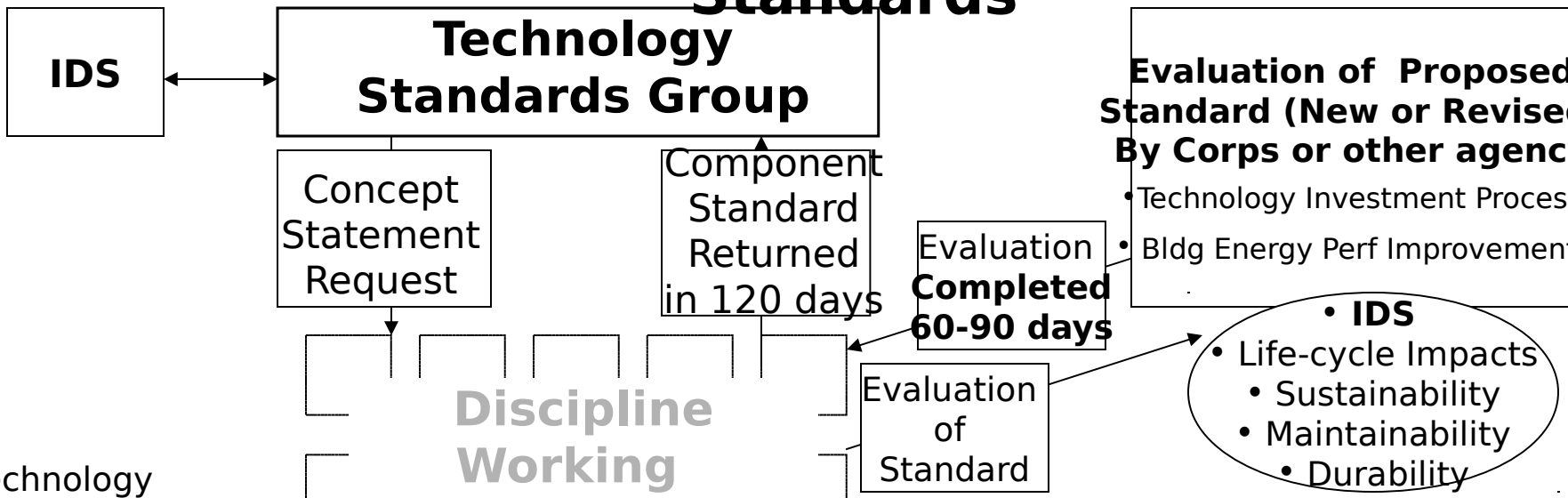
Developing Component or System Standards



Technology Group:

- Assigns new ideas to Technology Teams for analysis and recommended mod to IDS.
- Ensures timely (120 day max) study of new technology.
- Distributes resources for analysis.
- Application to construction, renovation, and M&R.
- IMA ensures compliance in new work and M&R.

Discipline Teams:

• Addresses new components, or systems for standard elements in designs or projects
- Assess full life cycle costs and benefits both construction and M&R. Preps IDS update.
- ACSIM with HQDA proponent or USACE rep co-chair each team.

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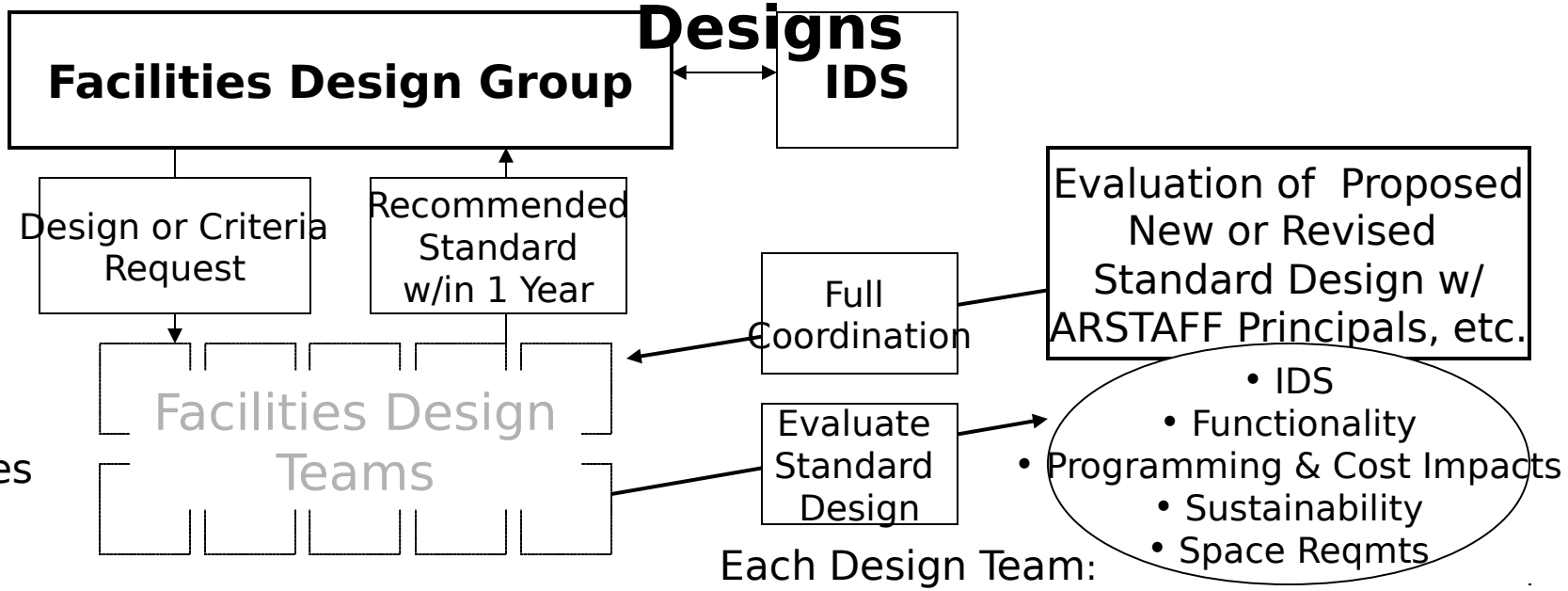
Developing Facility Standard Designs



Facilities Design Group:

- Monitors progress of design teams, ensures timely decisions.
- Meets no less than quarterly to review design team progress.
- Ensures approved standard designs are documented in IDS, regulations, UFCs, ACTs, etc. - IMA ensures compliance in new work and M&R.

Each Design Team:

- Co-chair ACSIM & Proponent, w/ USACE COS - Addresses full facility Standard Designs and develops Army Standards.
- Ensures that ARSTAFF principal for a facility standard fully concurs in the Standards.
- COS serves as the design steward for each Standard Design for future use.

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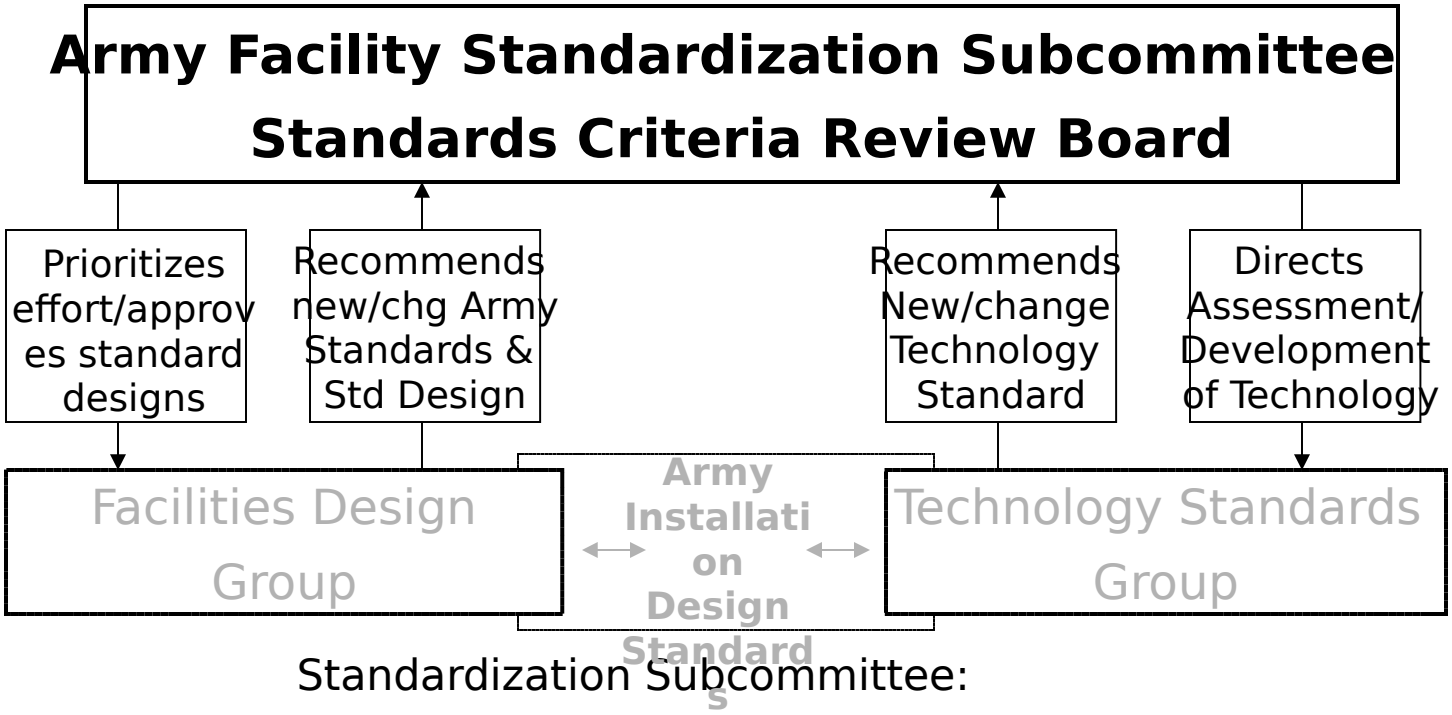
Standardization Subcommittee


Army Facility Standardization Subcommittee
Standards Criteria Review Board
Prioritizes effort/approves standard designs
Recommends new/chg Army Standards & Std Design
Recommends New/change Technology Standard
Directs Assessment/ Development of Technology
Facilities Design Group
Army Installation Design Standards
Technology Standards Group

Standardization Subcommittee:

- Sets Priorities for the FDG and the TSG. - Allocates Resources for needed analysis. - Integrates the activities of the FDG and TSG. - Recommends Army Standards to Standardization Committee - Approves Standard Designs and Technology Standards. - Ensures the standards are documented in the IDS. - Meets at least quarterly.

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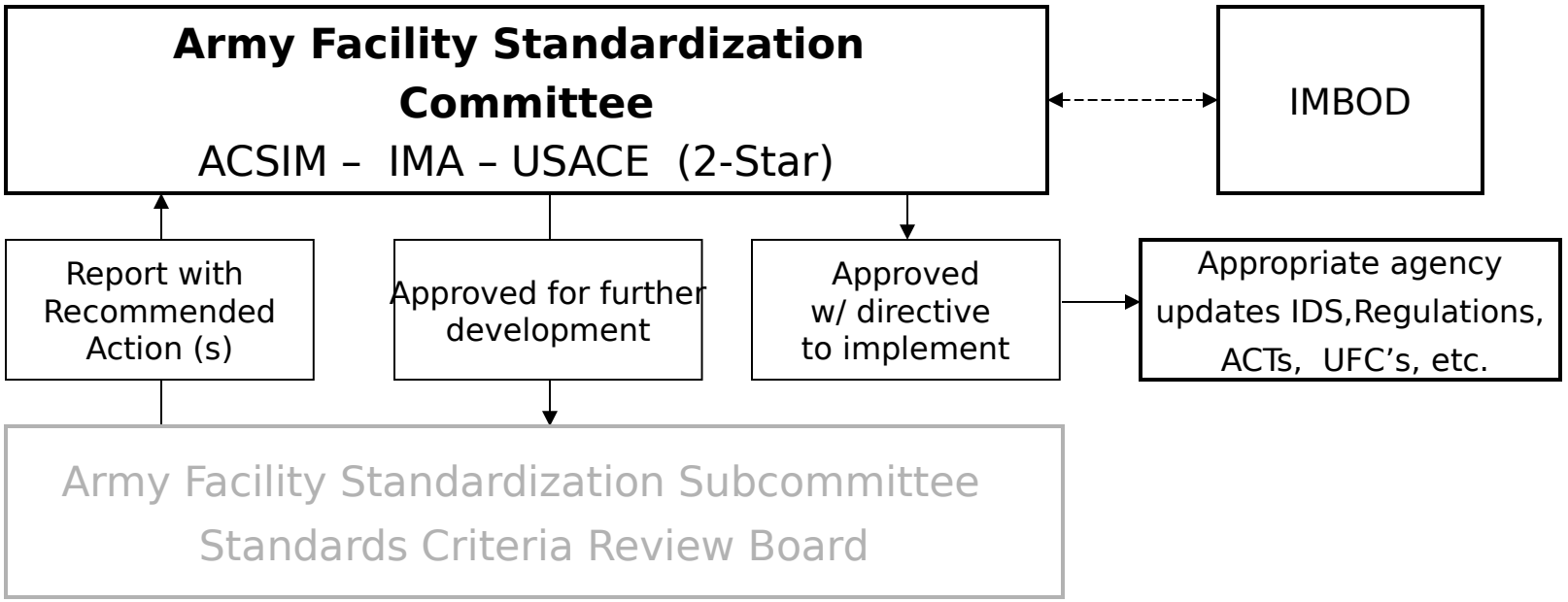
Standardization Committee


Army Facility Standardization Committee
ACSIM – IMA – USACE (2-Star)
IMBOD
Report with Recommended Action (s)
Approved for further development
Approved w/ directive to implement
Appropriate agency updates IDS,Regulations, ACTs, UFC's, etc.
Army Facility Standardization Subcommittee
Standards Criteria Review Board

Standardization Committee:

- Meets quarterly to review / approve Army Standards for facilities and components – receive recommendations from subcommittee.

- Directs decisions for Army position on all UFC and IDS changes.

- Reports to IMBOD on new and revised standards for installations.

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New Responsibilities

ACSIM

- Chairs Standardization Committee.

- Enforces the “standardization process.”

- Maintains, updates, and disseminates Army Standards thru the Installation Design Standards (IDS)

USACE

- Empower COS’s to provide cradle to grave management of Standard Designs in all phases of projects, including SRM projects, to optimize mission support, life-cycle cost effectiveness, maintainability, and sustainability.

- Ensures compliance with Army Standards

IMA

- Enforces application of Army Standards and Standard Designs at all installations

- Involves the COS in the SRM Funded projects

- Measures installation compliance with standards.

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Army Facilities Standardization Committee

Way Ahead

- **SES Sub-committee developing charter**
- **Resource the preparation of Standard Designs & Army Standards (P&D $ TBD / year)**
- **Resource the evaluation of innovative technology ($500 K / year)**
- **Amend the appropriate regulations, e.g., AR 415-15 and IDS**
- **Schedule the next round of meetings**

  Committee – 21 Jan 04 (quarterly thereafter)

  Subcommittee – __ Dec 03 (quarterly thereafter)

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Army IDS Way Ahead

- **Complete Investment Strategy**

  Lay out resource requirements to meet IDS standards on each installation for implementation and program in the Army budget Program Objective Memorandum (POM) FY2006 – 2011+

- **Development of all installation IDGs to meet IDS in FY04-05**

- **Establish areas of emphasis into the future**

- **IMA field ACSIM approved Implementation Plan and Investment Strategy**

Thanks for the Support, Personal Efforts of Many, and Great Team Work!

Larry Black, Architect
Program Manager
Army Installation Design Standards Team
Facility Policy Division
Assistant Chief of Staff For Installation Management